

ABSTRACT

The present invention provides a technique to freely select ISP of connection destination for each subscriber terminal while maintaining various advantages when using VLAN, such as accomplishment of inexpensive and simple arrangement and achieving of high-speed communication, and to ensure reliable communication between the subscriber terminal and ISP, and also to cope with Nomadic connection. According to this technique, an access network 3 is provided to achieve ISP connection, by which the subscriber terminal 1 can make access to a given network such as Internet. The access network comprises an ISP side terminal device 6, a subscriber station device 7, and a subscriber side terminal device 9. The transfer of a layer 2 level using VLAN tag can be accomplished between the ISP side terminal device and the subscriber station device (a first network 4), and between the subscriber station device and the subscriber side terminal device (a second network 5). To the frame to be transferred in the first network, a frame header including VLAN tag added at the transmission in the second network is added.